

Date: Thursday, 4/12/2007 8:45:07 AM
 User: Kim Johnston

Process Sheet

Customer	: CU-DAR001 Dart Helicopters Services	Drawing Name	: SADDLE FITTING, FWD (OUTBOARD/INBOARD)
Job Number	: 31720		
Estimate Number	: 10531		
P.O. Number	: N/A	Part Number	: D2572
This Issue	: 4/12/2007	S.O. No.	: N/A
Prsht Rev.	: NC	Drawing Number	: D2572 REV E
First Issue	: N/A	Project Number	: N/A
Previous Run	: 31714	Drawing Revision	: E
		Material	: N/A
Written By	:	Due Date	: 4/30/2007
Checked & Approved By	: <u>07.04.12</u>	Qty:	16 Um: Each
Comment	: Est: 1 02.10.02 Re-format; Change to Dwg Rev. D & incorporated D2572 KJ		

Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description:
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1.0	D6101005	7075-T7351 8.25X5.0X2.5
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Comment: Qty.: 1.0000 Each(s)/Unit Total: 16.0000 Each(s)
 7075-T7351 8.25X5.0X2.5
 Make from D6101-005 billet for D2572
 Ensure that grain is along 5.00" length
 Batch No: _____

B25352 (X9)
 B25350 (X7) En 07/5/15

2.0	HAAS1	HAAS CNC VERTICAL MACHINING #1
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Comment: HAAS CNC VERTICAL MACHINING #1
 Program Batch No. B31720 Double check by: J.L.

1-Machine Step No 1 per Folio FA051 and inspect per attached Dimension Sheets
 2-Machine Step No 2 per Folio FA051 and inspect per attached Dimension Sheets
 3-Machine Step No 3 per Folio FA051 and inspect per attached Dimension Sheets
 4-Deburr and remove all machining marks
 5-Tumble to remove shap edges.

En/MR 07/05/23 16

3.0	MILLING CONV.	CONVENTIONAL MILLING MACHINE
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Comment: CONVENTIONAL MILLING MACHINE
 Machine keyway as per dwg D2571 & D2572

En 07/05/23 16

4.0	QC2	INSPECT PARTS AS THEY COME OFF MACHINE
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Comment: INSPECT PARTS AS THEY COME OFF MACHINE

En 07/05/23 16

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes ☒ No ☐ DQA: RL Date: 07/05/09
 QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Thursday, 4/12/2007 8:45:07 AM
User: Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: SADDLE FITTING, FWD (OUTBOARD/INBOARD)

Job Number: 31720

Part Number: D2572

Job Number:



Seq. #:

Machine Or Operation:

Description :

5.0

QC8

SECOND CHECK



Comment: SECOND CHECK

3.2 07/05/23

6.0

HAND FINISHING1

HAND FINISHING RESOURCE #1



Comment: HAND FINISHING RESOURCE #1

Acid etch and Alodine as per QSI 005 4.1

M-H

07/05/24

(16X)

7.0

POWDER COATING

POWDER COATING



Comment: POWDER COATING

Powder Coat White Gloss (Ref: 4.3.5.1) as per QSI 005 4.3

11103141

M

07-05-25 (16)

8.0

QC3

INSPECT POWDER COAT/CHEMICAL CONVERSION



Comment: INSPECT POWDER COAT

7/5/28 SA

10

9.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location: 51432

PU

7/5/28

SA

16

10.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

07/05/29

(16)

Job Completion



07-05-29

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

DART AEROSPACE LTD	Work Order:	31720
Description: Saddle, Fwd Inboard	Part Number:	D2572
Inspection Dwg: D2572 Rev. E		Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2572 Rev. E and record below:

				Recorded Actual Dimensions					
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	By	Date
A	0.438	0.443	DT8682	0.440	0.440	0.440	0.440		
B	1.745	1.755		1.947	1.150	1.150	1.150		
C	3.495	3.505		3.499	3.500	3.500	3.500		
D	1.745	1.755		1.747	1.150	1.150	1.149		
E	7.990	8.010		7.994	7.997	7.998	8.000		
F	0.490	0.510		0.494	.497	.495	.496		
G	0.257	0.262	DT8683	0.260	0.260	0.260	0.260		
H	0.375	0.380	DT8684	0.377	0.377	0.377	0.377		
I	0.490	0.510		0.493	.498	.499	.500		
J	1.174	1.184		1.175	1.178	1.179	1.179		
K	0.558	0.578		0.564	.565	.565	.564		
L	1.174	1.184		1.175	1.178	1.179	1.179		
M	1.490	1.500		1.492	1.498	1.499	1.499		
N	2.495	2.505		2.498	2.500	2.500	2.500		
O	3.869	3.879		3.873	3.874	3.874	3.874		
P	0.115	0.135		0.126	.128	.128	.128		
Q	0.115	0.135		0.135	0.135	0.135	0.135		
R	0.240	0.260		0.251	.253	.252	.251		
S	0.115	0.135		0.121	.125	.125	.125		
T	0.178	0.198		0.188	0.188	0.188	0.188		
U	2.940	2.980		2.966	2.960	2.960	2.960		
V	0.230	0.250		0.240	.240	.240	.240		
W	0.115	0.135		0.126	.128	.128	.128		
X	0.307	0.312		0.311	.312	.312	.312		
Y	0.760	0.765		0.765	0.765	0.765	0.765		
Z	0.352	0.372		0.362	.362	.362	.362		
AA	0.470	0.530		0.520	0.520	0.520	0.520		
AB	0.615	0.635		0.626	.628	.629	.628		
AC	0.053	0.073		0.063	0.063	0.063	0.063		
AD	0.240	0.260		0.248	.250	.247	.249		
AE	1.375	1.395		1.385	1.387	1.387	1.387		
AF	0.115	0.135		0.135	0.135	0.135	0.135		
AG	0.240	0.280		0.260	0.260	0.260	0.260		
AH	0.240	0.260		0.251	.250	.250	.250		
AI	2.000	2.020		2.000	2.000	2.000	2.000		
AJ	0.023	0.043		0.033	0.033	0.033	0.033		
Accept/Reject									

Measured by:	En / MB
Date:	07/05/17

Audited by:	J.L
Date:	07/05/23

Rev	Date	Change	Revised by	Approved
A		New Issue	RF	
B	02.09.24	Re-format; Added Rev. D	KJ	
C	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension AI	KJ/RF	
E	05.12.05	Added dimension AJ	KJ/JLM	

DART AEROSPACE LTD	Work Order:	31720
Description: Saddle, Fwd Inboard	Part Number:	D2572
Inspection Dwg: D2572 Rev. E		Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2572 Rev. E and record below:

				Recorded Actual Dimensions					
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	By	Date
A	0.438	0.443	DT8682	.440	.440	0.440	0.440		
B	1.745	1.755		1.747	1.750	1.745	1.756		
C	3.495	3.505		3.500	3.500	3.499	3.499		
D	1.745	1.755		1.751	1.750	1.745	1.750		
E	7.990	8.010		8.001	8.001	8.001	8.001		
F	0.490	0.510		.500	.500	0.496	0.496		
G	0.257	0.262	DT8683	.258	.258	0.260	0.260		
H	0.375	0.380	DT8684	.376	.376	0.377	0.377		
I	0.490	0.510		.500	.500	0.495	0.494		
J	1.174	1.184		1.179	1.178	1.174	1.176		
K	0.558	0.578		.567	.568	0.563	0.567		
L	1.174	1.184		1.178	1.179	1.174	1.176		
M	1.490	1.500		1.496	1.496	1.494	1.492		
N	2.495	2.505		2.500	2.500	2.498	2.499		
O	3.869	3.879		3.873	3.874	3.874	3.876		
P	0.115	0.135		.128	.128	0.127	0.127		
Q	0.115	0.135		.125	.125	0.135	0.135		
R	0.240	0.260		.250	.250	0.253	0.252		
S	0.115	0.135		.128	.127	0.122	0.120		
T	0.178	0.198		.188	.188	.188	.188		
U	2.940	2.980		2.961	2.960	2.960	2.960		
V	0.230	0.250		.242	.240	0.240	0.235		
W	0.115	0.135		.125	.125	0.127	0.122		
X	0.307	0.312		.310	.310	0.311	0.311		
Y	0.760	0.765		.762	.762	0.765	0.765		
Z	0.352	0.372		.365	.365	0.365	0.365		
AA	0.470	0.530		.500	.500	0.500	0.500		
AB	0.615	0.635		.622	.625	0.625	0.625		
AC	0.053	0.073		.063	.063	.063	.063		
AD	0.240	0.260		.252	.252	0.244	0.245		
AE	1.375	1.395		1.385	1.384	1.384	1.388		
AF	0.115	0.135		.125	.125	0.135	0.135		
AG	0.240	0.280		.262	.260	0.260	0.260		
AH	0.240	0.260		.250	.250	0.250	0.245		
AI	2.000	2.020		2.001	2.000	2.000	2.000		
AJ	0.023	0.043		.032	.032	.032	.032		
Accept/Reject									

Measured by:	MS/EP	Audited by:	SA
Date:	01/03/18 07/05/19	Date:	07.05.21

Rev	Date	Change	Revised by	Approved
A		New Issue	RF	
B	02.09.24	Re-format; Added Rev. D	KJ	
C	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension AI	KJ/RF	
E	05.12.05	Added dimension AJ	KJ/JLM	

DART AEROSPACE LTD	Work Order:	31720
Description: Saddle, Fwd Inboard	Part Number:	D2572
Inspection Dwg: D2572 Rev. E		Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2572 Rev. E and record below:

Dim	Min	Max	Go/No Go Gauge	Recorded Actual Dimensions				By	Date
				1	2	3	4		
A	0.438	0.443	DT8682	0.440	0.440	0.440	0.440		
B	1.745	1.755		1.750	1.747	1.748	1.748		
C	3.495	3.505		3.499	3.500	3.500	3.500		
D	1.745	1.755		1.750	1.747	1.748	1.748		
E	7.990	8.010		8.001	8.001	8.002	8.002		
F	0.490	0.510		0.501	0.498	0.497	0.496		
G	0.257	0.262	DT8683	0.266	0.260	0.260	0.260		
H	0.375	0.380	DT8684	0.377	0.377	0.377	0.377		
I	0.490	0.510		0.498	0.498	0.496	0.495	0.495	
J	1.174	1.184		1.174	1.175	1.174	1.178		
K	0.558	0.578		0.567	0.565	0.567	0.564		
L	1.174	1.184		1.174	1.175	1.174	1.178		
M	1.490	1.500		1.494	1.496	1.494	1.492		
N	2.495	2.505		2.498	2.497	2.496	2.497		
O	3.869	3.879		3.873	3.872	3.870	3.874		
P	0.115	0.135		0.127	0.127	0.126	0.126		
Q	0.115	0.135		0.135	0.135	0.135	0.135		
R	0.240	0.260		0.253	0.252	0.251	0.251		
S	0.115	0.135		0.124	0.124	0.124	0.124		
T	0.178	0.198		0.188	0.188	0.188	0.188		
U	2.940	2.980		2.960	2.960	2.960	2.960		
V	0.230	0.250		0.238	0.239	0.240	0.241		
W	0.115	0.135		0.121	0.121	0.125	0.124		
X	0.307	0.312		0.311	0.311	0.311	0.311		
Y	0.760	0.765		0.765	0.765	0.765	0.765		
Z	0.352	0.372		0.365	0.365	0.365	0.365		
AA	0.470	0.530		0.500	0.500	0.500	0.500		
AB	0.615	0.635		0.626	0.626	0.630	0.624		
AC	0.053	0.073		0.063	0.063	0.063	0.063		
AD	0.240	0.260		0.246	0.247	0.246	0.249		
AE	1.375	1.395		1.387	1.387	1.386	1.386		
AF	0.115	0.135		0.135	0.135	0.135	0.135		
AG	0.240	0.280		0.260	0.260	0.260	0.260		
AH	0.240	0.260		0.249	0.248	0.248	0.248		
AI	2.000	2.020		2.000	2.000	2.000	2.000		
AJ	0.023	0.043		0.033	0.033	0.033	0.033		
Accept/Reject									

Measured by:	En
Date:	07/05/20

Audited by:	SA
Date:	07.05.21

Rev	Date	Change	Revised by	Approved
A		New Issue	RF	
B	02.09.24	Re-format; Added Rev. D	KJ	
C	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension AI	KJ/RF	
E	05.12.05	Added dimension AJ	KJ/JLM	

DART AEROSPACE LTD	Work Order:	31720
Description: Saddle, Fwd Inboard	Part Number:	D2572
Inspection Dwg: D2572 Rev. E		Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2572 Rev. E and record below:

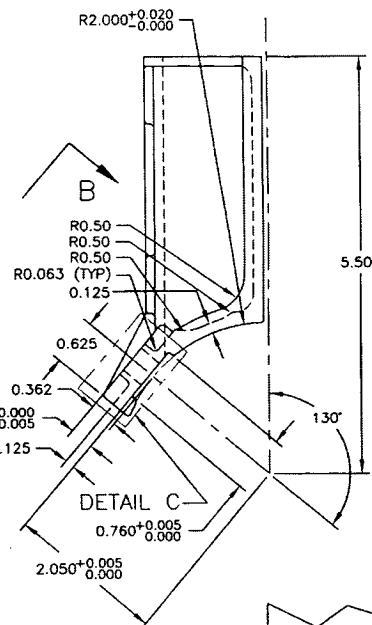
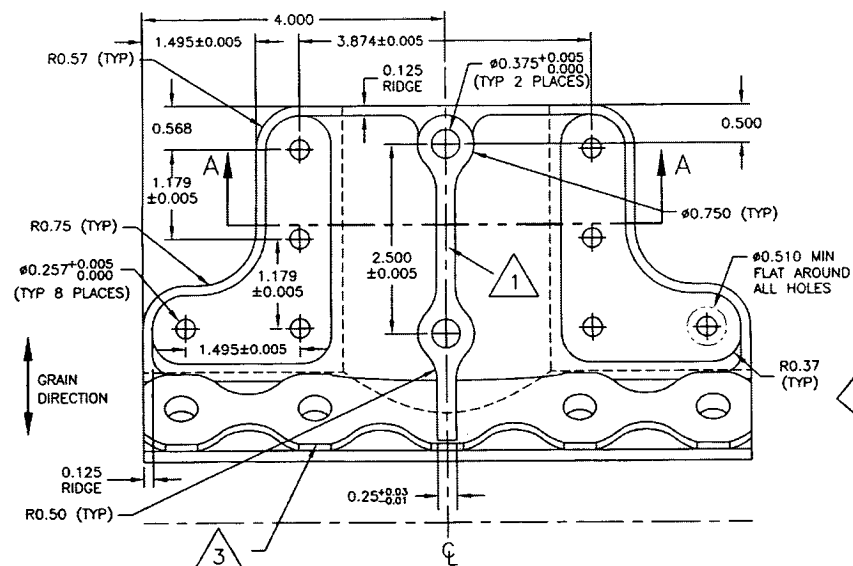
				Recorded Actual Dimensions					
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	By	Date
A	0.438	0.443	DT8682	0.440	0.440	0.440	0.440		
B	1.745	1.755		1.746	1.748	1.748	1.750		
C	3.495	3.505		3.498	3.500	3.500	3.500		
D	1.745	1.755		1.746	1.749	1.750	1.750		
E	7.990	8.010		8.002	8.000	8.002	8.001		
F	0.490	0.510		0.500	.501	.501	.500		
G	0.257	0.262	DT8683	0.260	0.260	0.260	0.260		
H	0.375	0.380	DT8684	0.377	0.377	0.377	0.377		
I	0.490	0.510		0.496	.496	.497	.497		
J	1.174	1.184		1.175	1.179	1.179	1.179		
K	0.558	0.578		0.565	.565	.565	.565		
L	1.174	1.184		1.175	1.179	1.179	1.179		
M	1.490	1.500		1.495	1.495	1.495	1.495		
N	2.495	2.505		2.496	2.499	2.500	2.500		
O	3.869	3.879		3.874	3.874	3.874	3.874		
P	0.115	0.135		0.125	.128	.128	.127		
Q	0.115	0.135		0.135	0.135	0.135	0.135		
R	0.240	0.260		0.250	.250	.253	.250		
S	0.115	0.135		0.124	.125	.128	.128		
T	0.178	0.198		0.188	0.188	0.188	0.188		
U	2.940	2.980		2.960	2.960	2.960	2.960		
V	0.230	0.250		0.236	.238	.240	.240		
W	0.115	0.135		0.120	.127	.128	.129		
X	0.307	0.312		0.312	.312	.312	.312		
Y	0.760	0.765		0.765	0.765	0.765	0.765		
Z	0.352	0.372		0.362	.363	.362	.362		
AA	0.470	0.530		0.500	0.500	0.500	0.500		
AB	0.615	0.635		0.628	.625	.625	.625		
AC	0.053	0.073		0.063	0.063	0.063	0.063		
AD	0.240	0.260		0.245	.247	.245	.247		
AE	1.375	1.395		1.386	1.388	1.388	1.385		
AF	0.115	0.135		0.135	0.135	0.135	0.135		
AG	0.240	0.280		0.260	0.260	0.260	0.260		
AH	0.240	0.260		0.247	.248	.247	.247		
AI	2.000	2.020		2.006	2.000	2.000	2.000		
AJ	0.023	0.043		0.033	0.033	0.033	0.033		
Accept/Reject									

Measured by:	En/M8
Date:	07/05/23

Audited by:	JL
Date:	07/05/23

Rev	Date	Change	Revised by	Approved
A		New Issue	RF	
B	02.09.24	Re-format; Added Rev. D	KJ	
C	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension AI	KJ/RF	
E	05.12.05	Added dimension AJ	KJ/JLM	

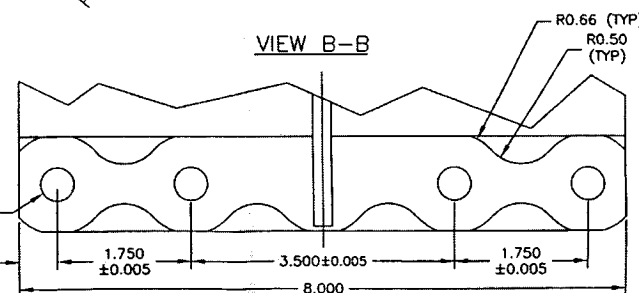
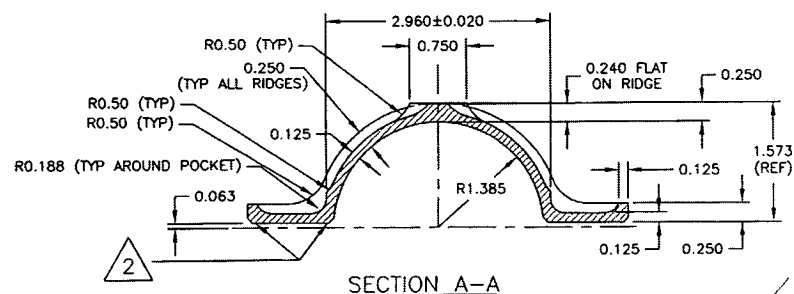
05.12.06



NOTES

MATERIAL: 7075-T7351 (QQ-A-250/12)
(REF DART SPEC. D6102-003)
FINISH: ACID ETCH, ALODINE PER DART QSI 005 4.1
POWDER COAT GLOSS WHITE (REF 4.3.5.1) PER
DART QSI 005 4.3
BREAK ALL SHARP EDGES 0.010 TO 0.020
TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED




- 1 ENGRAVE PART AND BATCH NUMBER IN THIS AREA TO MAX DEPTH OF 0.010
- 2 CHAMFER 0.063" x 45° AROUND THIS SURFACE (TYPICAL 2 PLACES)
- 3 CHAMFER 0.063 x 45° ALL AROUND
- 4 CHAMFER 0.033 x 45° (SEE DETAIL C)



DETAIL C
SCALE 2:1

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DART AEROSPACE LTD.

E	05.07.13	ADD CHAMFER ON RIDGE NOTE 4
D	02.09.06	ADD RIDGES; TIGHTEN TOLERANCES
C	99.10.22	INCORP. DEO 9123/9079/9102 ADD DIMENSIONS PER TSR A1177
B	96.12.02	ADD GRAIN DIR., 0.438 WAS 0.425
A	96.09.16	NEW ISSUE
DESIGN	DRAWN BY DS PH	 DART AEROSPACE LTD. MARKHAM, ONTARIO, CANADA
CHECKED 	APPROVED 	DRAWING NO. D2572
DATE 05.07.13	TITLE INNER FWD SADDLE	

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 31720